



Dart Hawkesbury
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Tel (613) 632-5200

D350-591-312
Job Sheet 167789



Part No: D350-591-312

Job Qty: 10 ea

Part Name: Heli-Access-Step™ RH - High Gear, Long Step, Aerazur Float Compatible



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/6/17

Job Tracking No:

Due Date: 11/17/17

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Airbus Helicopters - Marignane (CEURO24)

Aéroport International De Marseille Cedex Marignane Marseille, , 13725 France ph:+33 4 42 85 85 85 fx:+33 4 42 85 83 00.

Ship Via:

ARBUS chg. 001

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	10 Ea		11/15/17	0.00	0.00	Start Up Large Fab2		11/15/17 SL
110	Large Fab	10 pcs		11/16/17	0.00	10.00	Large Fab 2		11/16/17 SL
120	QC	10 pcs		11/16/17	0.00	0.00	QC9		17.11.17
130	QC	10 pcs		11/16/17	0.00	0.00	QC5		17.11.17
140	HandFinish	10 pcs		11/16/17	0.00	1.87	HandFinish1		2017-11-21 JSL
150	QC	10 pcs		11/16/17	0.00	0.00	QC7		CPC
180	Large Fab	10 pcs		11/16/17	0.00	10.00	Large Fab 2		17-11-22
190	QC	10 pcs		11/16/17	0.00	0.00	QC10		38 DAS
200	QC	10 pcs		11/16/17	0.00	0.00	QC5		38 DAS
210	HandFinish	10 pcs		11/16/17	0.00	1.87	HandFinish1		2017-11-22 JSL
220	Powdercoat	10 pcs		11/16/17	0.00	2.98	Powdercoat1		BR 17-11-22
230	HandFinish	10 pcs		11/17/17	0.00	1.87	HandFinish3		BEB 2017/11/28
240	QC	10 pcs		11/17/17	0.00	0.00	QC3		17.12.4
250	Packaging	10 pcs		11/17/17	0.00	0.00	Packaging1		Smb
260	QC	10 pcs		11/17/17	0.00	0.00	QC4		17.12.4
265	DC	10 pcs		11/17/17	0.00	0.00	DC		17.12.4
270	Packaging	10 pcs		11/17/17	0.00	0.00	Packaging3		Smb 17.12.4
280	QC21-FG	10 Ea		11/17/17	0.00	0.00	QC21		

Part Op 110 - 1-Bevel end for welding FWD ONLY 2-Weld Support using Jig DT10115, weld Fwd End Plate as per QSI 004 & Descriptions: Dwg D3272 A/R Aluminum Rod 3-Grind End Plate flush

180 - 1-Assemble Leg Assembly as per Dwg D3272. 2-Leave one rivet out until welding is complete. 3-Bevel Aft end for welding 4-Inspect for foreign object as per QSI 024 5-Weld Aft End Plate as per QSI 004 & Dwg D3272 A/R Aluminum Rod 6-Grind End Plate flush 7-Install last rivet as per Dwg.

220 - START TIME: 10:50 OVEN TEMPERATURE: 320 FINISH TIME: 10:50

265 - Photocopy bluefile and type labels as per PPP D350-591-312 CHG001

270 - Identify and pack for shipping as per PPPD350-591-312 Location :FG072

1138468

wing walk Babel: 1138373

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	✓ D3067-1 F165725	10	38	0	0
	D3219-1	20	57	0	0
	- D3272-1 -50080	10	3	0	0
180-Large Fab	D3065-041 166514	10	11	0	0

5008208

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																	
Description Work Order Deviation			Disposition																		
			Completed By																		
			Lead hand / Supervisor Approval Verification																		
			QC / QA Coordinator Approval																		
Root Cause		FAULT CATEGORY																			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																
OTHER : _____																					

250-Packaging

SO 21716

SO 18164 x32-

D3066-1	SO 10422	20	28	0	0
D3067-1	B165725	10	38	0	0
MS20600-AD4W4	SO 188441	160	686	0	0
AN3-35A	SO 18168	20	22	0	0
AN4-13A	SO 1816248	80	477	0	0
AN5-36A	SO 18148	20	102	0	0
D2230-3	SO 18141	40	111	0	0
D2618	SO 18136	20	139	0	0
D2856-400	SO 18088	12	275	0	0
D3235-1	SO 18079	20	13	0	0
D3278-041	F164347X8	70	27	0	0
MS21042L3	SO 18021	20	1,431	0	0
MS21042L4	SO 18014	80	1,670	0	0
MS21042L5	SO 18000	20	427	0	0
NAS1149D0363J	SO 17996	40	594	0	0
NAS1149D0463J	SO 17985	160	1,482	0	0
NAS1149D0563J	SO 17977	40	1,394	0	0

Part Specifications

Specifications could not be found.

Plex 11/6/17 4:04 PM dart.poulin.mario

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



Q Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ _____		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		Job No: 167789 Mtg Date: 11/16/17					
Description Work Order Devi		D350-591-312 Large Fab Change No: _____ Operation: _____ Revision: _____ PART NO: _____ Float Compatible Heli-Access-Step RH - High Gear, Long Step, Aerazur							
Root Cause <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width:50%; vertical-align: top;"> No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> </tr> </table>		Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> Press ☐ Bend. ☐ Centre Not ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width:50%; vertical-align: top;"> Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> </tr> </table>				Press ☐ Bend. ☐ Centre Not ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐
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 Email: sales@dartaero.com
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Qty -213	Qty -214	Qty -215	Qty -216	Qty -311	Qty -312	Part Number	Description
X						D350-591-213	<i>Hel-Access-Step™</i> , Short Step – High Skid, LH
	X					D350-591-214	<i>Hel-Access-Step™</i> , Short Step – High Skid, RH
		X				D350-591-215	<i>Hel-Access-Step™</i> , Short Step – Low Skid, LH
			X			D350-591-216	<i>Hel-Access-Step™</i> , Short Step – Low Skid, RH
				X		D350-591-311	<i>Hel-Access-Step™</i> , Long Step – High Skid, LH
					X	D350-591-312	<i>Hel-Access-Step™</i> , Long Step – High Skid, RH
1						D3078-041	STEP ASSEMBLY (HIGH-SHORT, LH)
	1					D3078-042	STEP ASSEMBLY (HIGH-SHORT, RH)
		1				D3168-041	STEP ASSEMBLY (LOW-SHORT, LH)
			1			D3168-042	STEP ASSEMBLY (LOW-SHORT, RH)
				1		D3272-041	STEP ASSEMBLY (HIGH-LONG, LH)
					1	D3272-042	STEP ASSEMBLY (HIGH-LONG, RH)
2	2	2	2	4	4	D2230-3	MOUNTING LUG
2	2	2	2	2	2	D2618	BUSHING
4	4	4	4			D2732-030	CUSHION
				2	2	D2856-400-720	ABRASION STRIP
2	2	2	2	2	2	D3235-1	MOUNTING LUG
				1	1	D3278-041	SUPPORT ASSEMBLY
2	2	2	2	2	2	AN3-35A	BOLT
				8	8	AN4-13A	BOLT
4	4	4	4			AN4-15A	BOLT
2	2	2	2	2	2	AN5-36A	BOLT
4	4	4	4	4	4	NAS1149D0363J	WASHER (AN960JD10)
12	12	12	12	16	16	NAS1149D0463J	WASHER (AN960JD416)
4	4	4	4	4	4	NAS1149D0563J	WASHER (AN960JD516)
2	2	2	2	2	2	MS21042L3	NUT
6	6	6	6	8	8	MS21042L4	NUT
2	2	2	2	2	2	MS21042L5	NUT
				1	1	*DSI 9410-011	STEP MODIFICATION KIT

*DSI 9410-011 Step Modification Kits are provided with all D350-591-311 and D350-591-312 Steps. This kit is provided as an option for the installer and is therefore **NOT REQUIRED** to complete the installation of the D350-591-311 or D350-591-312 Steps. Refer to Figure 15 for installation of the DSI 9410-011 Kit.